		Pushing the En	velope			
2006 Mathematics Curriculum Framework						
Grades 9-12 (Algebr						
Activity/Lesson	State	Standards				
Types of Engines (pgs. 11-23)	AR	MA.9- 12.SEI.2.AI.3	Students will write, with and without appropriate technology, equivalent forms of equations, inequalities and systems of equations and solve with fluency and solve linear formulas and literal equations for a specified variable			
Chemistry (pgs. 25-41)	AR	MA.9- 12.SEI.2.AI.3	Students will write, with and without appropriate technology, equivalent forms of equations, inequalities and systems of equations and solve with fluency and solve linear formulas and literal equations for a specified variable			
Physics and Math (pgs. 43-63)	AR	MA.9- 12.SEI.2.AI.3	Students will write, with and without appropriate technology, equivalent forms of equations, inequalities and systems of equations and solve with fluency and solve linear formulas and literal equations for a specified variable			
Physics and Math (pgs. 43-63)	AR	MA.9- 12.SEI.2.AI.6	Students will write, with and without appropriate technology, equivalent forms of equations, inequalities and systems of equations and solve with fluency and solve problems involving direct variation and indirect (inverse) variation to model rates of change			
Physics and Math (pgs. 43-63)	AR	MA.9- 12.LF.3.AI.4	Identify independent variables and dependent variables in various representational modes: words, symbols, and/or graphs			
Physics and Math (pgs. 43-63)	AR	MA.9- 12.LF.3.AI.5	Students will write, with and without appropriate technology, equivalent forms of equations, inequalities and systems of equations and solve with fluency and interpret the rate of change/slope and intercepts within the context of everyday life			
Rocket Activity (pgs. 69-75)	AR	MA.9- 12.SEI.2.AI.3	Students will write, with and without appropriate technology, equivalent forms of equations, inequalities and systems of equations and solve with fluency and solve linear formulas and literal equations for a specified variable			
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		Pushing the En				
		2006 Mathema				
		Curriculum Fran	nework			
Arkansas Mathemat						
Grades 9-12 (Algebr		0				
Activity/Lesson	State	Standards	Students will write, with and without appropriate technology, equivalent forms of equations, inequalities and systems of equations and solve			
Types of Engines (A.D.	MA.9-	with fluency and solve linear formulas and literal			
pgs. 11-23)	AR	12.SEI.2.AI.3	equations for a specified variable			

			Students will write, with and without appropriate technology, equivalent forms of equations, inequalities and systems of equations and solve
Chemistry (pgs. 25-		MA.9-	with fluency and solve linear formulas and literal
41)	AR	12.SEI.2.AI.3	equations for a specified variable
	,	12.02.12.11	Students will write, with and without appropriate technology, equivalent forms of equations, inequalities and systems of equations and solve
Physics and Math		MA.9-	with fluency and solve linear formulas and literal
(pgs. 43-63)	AR	12.SEI.2.AI.3	equations for a specified variable
Physics and Math	AD	MA.9-	Students will write, with and without appropriate technology, equivalent forms of equations, inequalities and systems of equations and solve with fluency and solve problems involving direct variation and indirect (inverse) variation to
(pgs. 43-63)	AR	12.SEI.2.AI.6	model rates of change Students will write, with and without appropriate technology, equivalent forms of equations, inequalities and systems of equations and solve with fluency and interpret the rate of
Physics and Math		MA.9-	change/slope and intercepts within the context
(pgs. 43-63)	AR	12.LF.3.AI.5	of everyday life
Rocket Activity (pgs. 69-75)	AR	MA.9- 12.SEI.2.AI.3	Students will write, with and without appropriate technology, equivalent forms of equations, inequalities and systems of equations and solve with fluency and solve linear formulas and literal equations for a specified variable